

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 18, 2002, 21:17:43 ; Search time 177.86 Seconds
(without alignments)
3323.443 Million cell updates/sec

Title: US-09-867-034-5
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	58.2	2.2	2280	2	US-08-894-236-5
4	58.2	2.2	2280	5	PCT-US96-01444-5
5	57	2.2	7218	1	US-08-233-463-14
6	56.8	2.2	2882	2	US-08-724-394A-12
7	56	2.1	4122	4	US-09-321-831-1
8	55.2	2.1	7208	3	US-09-166-186-107
9	55.2	2.1	7208	4	US-09-313-932-107
10	54.8	2.1	372	4	US-09-018-584A-13
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12	53.2	2.0	8779	2	US-08-750-703-4
13	53	2.0	2830	1	US-07-882-292-1
14	53	2.0	2830	2	US-08-331-644-1
15	53	2.0	2830	5	PCT-US93-04102-1
16	53	2.0	2917	4	US-08-437-607A-3
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21	52.4	2.0	349	1	US-08-253-155A-14
22	52.2	2.0	305	1	US-08-253-155A-1
23	52.2	2.0	329	1	US-08-253-155A-23
24	52	2.0	3892	2	US-08-555-723B-3
25	52	2.0	3892	3	US-09-123-465-3
26	51.6	2.0	13011	2	US-08-791-849A-14
27	51.4	2.0	1559	4	US-09-019-095A-7

C 28	51	2.0	2397	1	US-07-891-942G-11	Sequence 11, Appl
C 29	51	2.0	7218	1	US-08-232-463-14	Sequence 14, Appl
C 30	50.8	1.9	1642	2	US-08-665-037-1	Sequence 1, Appl
C 31	50.8	1.9	1642	2	US-08-666-067-1	Sequence 1, Appl
C 32	50.8	1.9	14507	3	US-08-732-870-1	Sequence 1, Appl
C 33	50.8	1.9	14507	3	US-08-785-150-1	Sequence 1, Appl
C 34	50.8	1.9	29604	3	US-08-781-891-207	Sequence 207, App
C 35	50.6	1.9	2191	1	US-08-417-330A-11	Sequence 11, Appl
C 36	50.2	1.9	2419	1	US-08-428-415-1	Sequence 1, Appl
C 37	50.2	1.9	2419	1	US-08-379-685-1	Sequence 1, Appl
C 38	50.2	1.9	2419	2	US-08-854-029-1	Sequence 1, Appl
C 39	50.2	1.9	2419	4	US-08-428-762-1	Sequence 1, Appl
C 40	49.2	1.9	10409	3	US-08-772-440-33	Sequence 33, Appl
C 41	49	1.9	12141	4	US-09-488-671-10	Sequence 10, Appl
C 42	48.6	1.9	2071	1	US-08-393-985-15	Sequence 15, Appl
C 43	48.6	1.9	2263	1	US-08-176-126B-1	Sequence 1, Appl
C 44	48.6	1.9	2263	2	US-08-669-435-1	Sequence 1, Appl
C 45	48.6	1.9	2263	5	PCT-US94-14431A-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-724-394A-16
Sequence 16, Application US/08724394A
Patent No. 5872237

GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Krommal, Gregory S.
APPLICANT: Laufer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Tsuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
TITLE OF INVENTION: Sequences and Antibodies Thereto
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 3502 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1..3502
OTHER INFORMATION: /note= "cDNA 32"
US-08-724-394A-16

RESULT 2
 US-08-415-818-5/C
 Sequence 5, Application US/08415818
 Patent No. 5621079
 GENERAL INFORMATION:
 APPLICANT: Cascieri, Margaret A.
 APPLICANT: Linemeyer, David L.
 APPLICANT: Macneil, Douglas J.
 APPLICANT: Shiao, Lin-Lin
 APPLICANT: Strader, Catherine D.
 APPLICANT: Tan, Carina P.
 APPLICANT: Weinberg, David H.
 TITLE OF INVENTION: NEUROPEPTIDE Y RECEPTOR
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Mary A. Apollina
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/415,818
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/383,746
 FILING DATE: 03-FEB-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Apollina, Mary A.
 REGISTRATION NUMBER: 34,087
 REFERENCE/DOCKET NUMBER: 19390
 TELECOMMUNICATION INFORMATION:

RESULT 3
 US-08-694-736-5/C
 Sequence 5, Application US/08094236
 Patent No. 593263
 GENERAL INFORMATION:
 APPLICANT: Cascieri, Margaret A.
 APPLICANT: Linemeyer, David L.
 APPLICANT: Macneil, Douglas J.
 APPLICANT: Shiao, Lin-Lin
 APPLICANT: Strader, Catherine D.
 APPLICANT: Tan, Carla P.
 APPLICANT: Weinberg, David H.
 TITLE OF INVENTION: NEUROPEPTIDE Y RECEPTOR
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Mary A. Appollina
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/894,236
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/383,746
 FILING DATE: 03-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/415,818
 FILING DATE: 03-APR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Appollina, Mary A.
 REGISTRATION NUMBER: 34,087
 REFERENCE/DOCKET NUMBER: 19390Y
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 908-594-3462
 TELEFAX: 908-594-4720

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; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2280 base pairs
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; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 822..1937
; PCT-US96-01444-5
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OY 359 ctctctctctctctctctctctcagccttgacgcggttccc 401
Db 220 CTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTC 178
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; Sequence 5, Application PC/TUS9601444
; GENERAL INFORMATION:
; APPLICANT: Cascieri, Margaret A.
; APPLICANT: Linemeyer, David L.
; APPLICANT: Macneil, Douglas J.
; APPLICANT: Shiao, Lin-Lin
; APPLICANT: Strader, Catherine D.
; APPLICANT: Tan, Carina P.
; APPLICANT: Weinberg, David H.
; TITLE OF INVENTION: NEUROPEPTIDE Y RECEPTOR
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mary A. Appollina
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/383,746
; FILING DATE: 03-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/415,818
; FILING DATE: 03-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19390Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3462
; TELEFAX: 908-594-4720
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2280 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 822..1937
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Best Local Similarity 72.8%; Pred. No. 1.2e-05;
Matches 75; Conservative 0; Mismatches 28; Indels 0; Gaps 0;
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RESULT 5
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEFFELINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; TELECOMMUNICATION INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZ9pt-Fls
; US-08-232-463-14

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; AUTHORS: Shakhov, A.N.
; AUTHORS: Nedospasov, S.A.; AUTHORS: Jongeneel, C.
; AUTHORS: Shakhov, A.N.


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1  ATTORNEY/AGENT INFORMATION:
2  NAME: White, John P.
3  REGISTRATION NUMBER: 28,678
4  REFERENCE/DOCKET NUMBER: 41472-A-PCT-US
5  TELECOMMUNICATION INFORMATION:
6  TELEPHONE: 212-278-0400
7  TELEFAX: 212-391-0525
8  INFORMATION FOR SEQ ID NO: 1:
9  SEQUENCE CHARACTERISTICS:
10     LENGTH: 2830 base pairs
11     TYPE: nucleic acid
12     STRANDEDNESS: single
13     TOPOLOGY: linear
14     MOLECULE TYPE: cDNA
15     HYPOTHETICAL: N
16     ANTI-SENSE: N
17     FEATURE:
18     NAME/KEY: CDS
19     LOCATION: 443..1882
20     OTHER INFORMATION:
21     FEATURE:
22     NAME/KEY: misc.feature
23     LOCATION: 926..1255
24     OTHER INFORMATION: /note="nucleotide sequence
25     OTHER INFORMATION: encoding DNA binding domain
26     OTHER INFORMATION: homology"
27     -FEATURE:
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29     LOCATION: 1883..1885
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32     US-08-331-644-1

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QY 344	ttctctctctctgtctctctctctctctctctctgtctctctcagcgcgtttcc			400
Db 205	TCCTC			261

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 GENERAL INFORMATION:
 APPLICANT: Tao, Wufan
 APPLICANT: Lai, Eseng
 TITLE OF INVENTION: BRAIN TRANSCRIPTION FACTOR, NUCLEIC
 TITLE OF INVENTION: ACIDS ENCODING SAME AND USES THEREOF
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: John P. White
 STREET: C/o Cooper and Dunham, 30 Rockefeller Plaza
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10112
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
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 APPLICATION NUMBER: PCT/US93/04102
 FILING DATE: 19930430
 CLASSIFICATION:
 PRIOR APPLICATION DATA:

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1  APPLICATION NUMBER:  US 07/882,292
2  FILING DATE:  13-MAY-1992
3  ATTORNEY/AGENT INFORMATION:
4  NAME:  White, John P.
5  REGISTRATION NUMBER:  28, 678
6  REFERENCE/DOCKET NUMBER:  41472A-PCT
7  TELECOMMUNICATION INFORMATION:
8  TELEPHONE:  212-977-9550
9  TELEFAX:  212-664-0525
10 TELEX:  422523 COOD UT
11 INFORMATION FOR SEQ ID NO:  1:
12 SEQUENCE CHARACTERISTICS:
13 LENGTH:  2830 base pairs
14 TYPE:  NUCLEIC ACID
15 STRANDEDNESS:  single
16 TOPOLOGY:  linear
17 MOLECULE TYPE:  CDNA
18 HYPOTHETICAL:  N
19 ANTI-SENSE:  N
20 FEATURE:
21 NAME/KEY:  CDS
22 LOCATION:  443..1882
23 OTHER INFORMATION:
24 FEATURE:
25 NAME/KEY:  misc_feature
26 LOCATION:  926..1255
27 OTHER INFORMATION:  /note= "nucleotide sequence encoding DNA"
28 OTHER INFORMATION:  binding domain homology"
29 FEATURE:
30 NAME/KEY:  misc_signal
31 LOCATION:  1883..1885
32 OTHER INFORMATION:  /note= "translation termination codon"
33 PCT-US93-04102-1

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	Query Match	2.0%	Score 53;	DB 5;	Length 2830;
	Best Local Similarity	65.8%;	Pred. No. 0.0033;		
	Matches 77;	Conservative 0;	Mismatches 40;	Indels 0;	Gaps 0;
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Oy	344	tc	400		
Db	205	TCT	261		

Search completed: March 18, 2002, 21:18:44
Job time: 3876 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 18, 2002, 21:01:04 ; Search time 177.86 Seconds
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Title: US-09-867-034-2

Perfect score: 322

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Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	246.8	76.6	793	US-09-040-984-78	Sequence 78, Appl
5	205.8	63.9	506	US-08-916-576B-10	Sequence 10, Appl
6	157.2	48.8	732	US-08-916-576B-5	Sequence 5, Appl
7	93.4	29.0	489	US-08-916-576B-9	Sequence 9, Appl
8	59	18.3	329	US-08-916-576B-11	Sequence 11, Appl
9	59	18.3	329	US-08-916-576B-12	Sequence 12, Appl
10	59	18.3	329	US-08-916-576B-13	Sequence 13, Appl
11	59	18.3	329	US-08-916-576B-14	Sequence 14, Appl
12	57.8	18.0	330	US-08-916-576B-15	Sequence 15, Appl
13	45.8	14.2	1423	US-08-916-576B-3	Sequence 3, Appl
14	43	13.4	311	US-08-916-576B-40	Sequence 40, Appl
15	41.2	12.8	373	US-08-916-576B-36	Sequence 36, Appl
16	31	9.6	5253	US-08-714-918-19	Sequence 19, Appl
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23	29.4	9.1	80595	US-09-078-294-3	Sequence 3, Appl
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26	28.6	8.9	302	US-08-916-576B-19	Sequence 19, Appl
27	28.4	8.8	1921	US-08-682-767-21	Sequence 21, Appl

28	28.4	8.8	2126	US-08-545-745-1	Sequence 1, Appl
29	28.4	8.8	2974	US-08-433-522A-7	Sequence 7, Appl
30	28.4	8.8	2974	US-09-135-166-7	Sequence 7, Appl
31	28.4	8.8	2974	US-08-942-046-7	Sequence 7, Appl
32	28.2	8.8	470	US-08-687-080-78	Sequence 78, Appl
33	28.2	8.8	1128	US-08-446-875-7	Sequence 7, Appl
34	28.2	8.8	1128	US-08-102-385G-7	Sequence 7, Appl
35	28.2	8.8	5011	US-08-141-893-1	Sequence 1, Appl
36	28.2	8.8	5011	US-08-463-092B-1	Sequence 1, Appl
37	28.2	8.8	5011	US-08-463-092B-3	Sequence 3, Appl
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ALIGNMENTS

RESULT 1
US-08-916-576B-1
Sequence 1, Application US/08916576B
Patent No. 6171816
GENERAL INFORMATION:
APPLICANT: YU, GUO-LIANG
APPLICANT: DILLON, PATRICK J.
APPLICANT: EBNER, REINHARD
APPLICANT: ENDRESS, GREGORY A.
TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
CITY: WASHINGTON
STATE: DC
COUNTRY: US
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,576B
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,347
FILING DATE: 23-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488,0500001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 71..595
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 131..595

FEATURE: sig-peptide
NAME/KEY: 71.130
LOCATION: 71.130
US-08-916-576B-1

Query Match 99.7% Score 321; DB 4; Length 875;
Best Local Similarity 99.7%; Pred. No. 3e-95;
Matches 321; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 gacagcaacaaacccctgatgatattcattcattgtagagagccacagtcacg 60
|||||
DB 268 GACAGCAACAAACCCCTGATGATATTATTCATCTGGATAGTCCACACAGTCAAGC 327
QY 61 tttaagaaagtglttgctgaataaagaacacagaatctgcaagcagttgtcct 120
|||||
DB 328 TTTAAGAAAGTGTGCTGAAAATAAGAAATCCAGAAATTGGCAGAGGATTTGTCCT 387
QY 121 cctcaatcgtttatgaacaaactgcaaacaccttctcctgagtcagatgtccc 180
|||||
DB 388 CCTCAATCTGTTATGTAACAACTGACAAACACCTTCTCTGATGCGCAGTATGTCCC 447
QY 181 cagattatgttgtagaccatctcgacaggttagagccgatatcactggaagatctc 240
|||||
DB 448 CAGATTATGTTTGTGACCCATCTGACAGTTAGACCCGATATCACTGGAAGATATTTC 507
QY 241 aaangctctatgcttaacgaacctgacagatcagctcgtgtgcttgaacaatgaaga 300
|||||
DB 508 AAATCGTCTGATCTTACGAACTGCGAGATACAGCTCTGTGCTTGACAAATGAGAA 567
QY 301 agctcctcaagtcgtgaagact 322
|||||
DB 568 AGCTCTCAAGTTGCTGGAAGACT 589

RESULT 2

US-08-916-576B-35
Sequence 35, Application US/08916576B
Patent No. 6171816
GENERAL INFORMATION:
APPLICANT: YU, GUO-LIANG
APPLICANT: DILLON, PATRICK J.
APPLICANT: EBNER, REINHARD
APPLICANT: ENDRESS, GREGORY A.
TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: US
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,576B
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,347
FILING DATE: 23-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0500001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2500
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:
LENGTH: 386 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-916-576B-35

Query Match 85.4% Score 275; DB 4; Length 386;
Best Local Similarity 99.6%; Pred. No. 2e-80;
Matches 275; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 gacagcaacaaacccctgatgatattcattcattgtagagagccacagtcacg 60
|||||
DB 111 GACAGCAACAAACCCCTGATGATATTATTCATCTGGATAGTCCACACAGTCAAGC 170
QY 61 tttaagaaagtglttgctgaataaagaacacagaatctgcaagcagttgtcct 120
|||||
DB 171 TTTAAGAAAGTGTGCTGAAAATAAGAAATCCAGAAATTGGCAGAGCAGTTTGTCTT 230
QY 121 cctcaatcgtttatgaacaaactgcaaacaccttctcctgagtcagatgtccc 180
|||||
DB 231 CCTCAATCTGTTATGTAACAACTGACAAACACCTTCTCTGATGCGCAGTATGTCCC 290
QY 181 cagattatgttgtagaccatctcgacaggttagagccgatatcactggaagatctc 240
|||||
DB 291 CAGATTATGTTTGTGACCCATCTGACAGTTAGACCCGATATCACTGGAAGATATTTC 350
QY 241 aaangctctatgcttaacgaacctgacagatcagacg 276
|||||
DB 351 AAATCGTCTGATCTTACGAACTGCGAGATACAGC 386

RESULT 3

US-09-221-298-32
Sequence 32, Application US/09221298
Patent No. 6284241
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: OF COLON CANCER
TITLE OF INVENTION: OF COLON CANCER
FILE REFERENCE: 210121.471
CURRENT APPLICATION NUMBER: US/09/221,298
CURRENT FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 32
LENGTH: 401
TYPE: DNA
ORGANISM: Human
US-09-221-298-32

Query Match 81.8% Score 263.4; DB 4; Length 401;
Best Local Similarity 98.9%; Pred. No. 1.2e-76;
Matches 275; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 gacagcaacaaacccctgatgatattcattcattgtagagagccacagtcacg 60
|||||
DB 124 gacagcaacaaacccctgaltgaltattcattcattgtagagagccacagtcacg 183
QY 61 tttaagaaagtglttgctgaataaagaacacagaatctgcaagcagttgtcct 120
|||||
DB 184 tttaagaaagtglttgctgaataaagaacacagaatctgcaagcagttgtcct 243
QY 121 cctcaatcgtttatgaacaaactgcaaacaccttctcctgagtcagatgtccc 180
|||||
DB 244 cctcaatcgtttatgaacaaactgcaaacaccttctcctgagtcagatgtccc 303
QY 181 cagattatgttgtagaccatctcgacaggttagag-cagatatcagcgaagatatt 239
|||||
DB 304 cagattatgttgtagaccatctcgacaggttagagccgatalatcagtcgaagatatt 363


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RESULT      6
US-08-916-576B-5
: Sequence 5, Application US/08916576B
: Patent No. 6171816
: GENERAL INFORMATION:
: APPLICANT: YU, GUO-LIANG
: APPLICANT: DILON, PATRICK J.
: APPLICANT: EBNER, REINHARD
: APPLICANT: ENDRESS, GREGORY A.
: TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
: NUMBER OF SEQUENCES: 45
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
: STREET: 1100 NEW YORK AVENUE, SUITE 600
: CITY: WASHINGTON
: STATE: DC
: COUNTRY: US
: ZIP: 20005-3934
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/916,576B
: FILING DATE:
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/024,347
: FILING DATE: 23-AUG-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: STEFFE, ERIC K.
: REGISTRATION NUMBER: 36,688
: REFERENCE/DOCKET NUMBER: 1488.0500001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (202) 371-2600
: TELEFAX: (202) 371-2540
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 732 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: CDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 49..546
: FEATURE:
: NAME/KEY: mat_peptide
: LOCATION: 118..546
: FEATURE:
: NAME/KEY: sig_peptide
: LOCATION: 49..117
US-08-916-576B-5

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Query Match	Best Local Similarity	48.88:	Score 157.2:	DB 4:	Length 732:
Matches	226:	Conservative	0:	Mismatches 94:	Indels 3:
				Gaps	
QY	2	acaagcaacaacaccttgatgatattcatctacttgatgagtcgccacacagtcacgct	61		
Db	217	AAAAGTAGAAGCCATTTAATGGTATTTCATCATCCTGGAGAGATTTGTCAATACTCTACAGCA	276		
QY	62	ttaagaagaagcttgcctcgaaataaagaanaatccagaatctggaagag---cagttgtc	118		
Db	277	CTAANAAGAAAGTATTGGCCCAATAATGAAGAAATATACAGAAATGGCTCGAATATAGTTTATC	336		
QY	119	ctctcctcaactcgtgttctatgaaacaacatcgaaacacacctcttcctctgatctgcacagatctc	178		
Db	337	ATGCTAAACCTTTATGACATGANAACACATGATATGAATTTATCACTGATGGGCAATATTGTG	396		
QY	179	cccagagtatagttctgttgaccacacatctctgaacagcttgagagccgatatacatctggaagatat	238		

Accession	Sequence	Position
Db	CTTAGAATCATGTTTGTAGACCCCTCTTAAACATTAGACCTGACATAGCTGGAAAGTAC	456
Oy	tcaaanogtctctatgctcttaccgaacctgcagatacaagctcgttgccttggaacaatgaa	298
Db	TCTAACGATTTGTACACATATAGACCTTCGGGATTTACCCCTATTGATAGAAACATGAAC	516
Oy	aaagctctcgaagtgcctgaaagac	321
Db	AAAGCATTTAAGACTTATTTCACATC	539

RESULT 7
 US-08-916-576B-9
 : Sequence 9, Application US/08916576B
 : Patent No. 6171816
 : GENERAL INFORMATION:
 : APPLICANT: YU, GUO-LIANG
 : APPLICANT: DILLON, PATRICK J.
 : APPLICANT: EBNER, REINHARD
 : APPLICANT: ENDRESS, GREGORY A.
 : TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
 : NUMBER OF SEQUENCES: 45
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: STERNER, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 : STREET: 1100 NEW YORK AVENUE, SUITE 600
 : CITY: WASHINGTON
 : STATE: DC
 : COUNTRY: US
 : ZIP: 20005-3934
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/916,576B
 : FILING DATE:
 : CLASSIFICATION: 536
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 60/024,347
 : FILING DATE: 23-AUG-1996
 : ATTORNEY/AGENT INFORMATION:
 : NAME: STEFFE, ERIC K.
 : REGISTRATION NUMBER: 36,668
 : REFERENCE/DOCKET NUMBER: 1488.0500001
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (202) 371-2600
 : TELEFAX: (202) 371-2540
 : INFORMATION FOR SEQ ID NO: 9:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 489 base pairs
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : MOLECULE TYPE: cDNA
 : US-08-916-576B-9

Query Match	29.0%	Score 93.4	DB 4	Length 489
Best Local Similarity	70.6%	Pred. No. 3e-21		
Matches 168	Conservative	0	Mismatches 63	Indels 7
				Gaps 4

QY	1	gacaagacaacaaccctgatgatcatcatcacttgatgatgagtcgccacagtt--caa	58
Db	249	GACAGCAACAAACCCTTGATGATCATTTATTCATCTAGTGGTGGATGCCACACAGTTTCAG	308
QY	59	gctttaagaagaatggttgc--ctgaataaagaataccagaattt-ggcagagaattt	115
Db	309	TTTTTAAAGAAGTGTTCCTTNGCTGCAATTTAANGAANTCCGGAAATTTGGGNNCAGCAGTTT	368
QY	116	gtccctcccaa--tctggttatgaacaacgcacaacaccttctcctgatgcccagtt	173

Db 369 GINCCCNFNAATTTGGGTTTGGAAACAATGGGCAACACCTTTTGTGTGNCNA 428
Qy 174 atgtcccgagattatgttggaccatctgacagttagagccgatactacg 231
Db 429 TTTTCCCGCGGTTTTTTTTTTTGGCCCTTTTNNANNTTANGGCGGTTTTCATG 486

RESULT 8

US-08-916-576B-11
; Sequence 11, Application US/08916576B
; Patent No. 6171816
; GENERAL INFORMATION:
; APPLICANT: YU, GUO-LIANG
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: EBNER, REINHARD
; APPLICANT: ENDRESS, GREGORY A.
; TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/916,576B
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/024,347
; FILING DATE: 23-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0500001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ. ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 329 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-916-576B-11

Query Match

Best Local Similarity 18.3%; Score 59; DB 4; Length 329;
Matches 112; Conservative 0; Mismatches 13; Indels 7; Gaps 4;

Qy 191 ttgttgaccatctgacagttagagccgatactacgtgaagataatcaanctctc 250
Db 2 TTGCGAGAGCCATCTGTGACAGTTAGAGCCGATATCACTGGAAGATATTC-AATCGTCTC 60
Qy 251 tatgtctaacacgtcagatatacagctctgtgtctgacacatgaaagagctctcaag 310
Db 61 TATGCTTACG-ACCTGAGATACAG-----TCTGTTTNNCAATGAGAAG-TCCTAAG 114
Qy 311 ttgtctgaagact 322
Db 115 TTGCTGAAGACT 126

RESULT 9
US-08-916-576B-12

; Sequence 12, Application US/08916576B

; Patent No. 6171816
; GENERAL INFORMATION:
; APPLICANT: YU, GUO-LIANG
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: EBNER, REINHARD
; APPLICANT: ENDRESS, GREGORY A.
; TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/916,576B
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/024,347
; FILING DATE: 23-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0500001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ. ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 329 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-916-576B-12

Query Match

Best Local Similarity 18.3%; Score 59; DB 4; Length 329;
Matches 112; Conservative 0; Mismatches 13; Indels 7; Gaps 4;

Qy 191 ttgttgaccatctgacagttagagccgatactacgtgaagataatcaanctctc 250
Db 2 TTGCGAGAGCCATCTGTGACAGTTAGAGCCGATATCACTGGAAGATATTC-AATCGTCTC 60
Qy 251 tatgtctaacacgtcagatatacagctctgtgtctgacacatgaaagagctctcaag 310
Db 61 TATGCTTACG-ACCTGAGATACAG-----TCTGTTTNNCAATGAGAAG-TCCTAAG 114
Qy 311 ttgtctgaagact 322
Db 115 TTGCTGAAGACT 126

RESULT 10

US-08-916-576B-13
; Sequence 13, Application US/08916576B
; Patent No. 6171816
; GENERAL INFORMATION:
; APPLICANT: YU, GUO-LIANG
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: EBNER, REINHARD
; APPLICANT: ENDRESS, GREGORY A.
; TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
; NUMBER OF SEQUENCES: 45

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,576B
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,347
FILING DATE: 23-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: STEEFE, ERIC K.
REGISTRATION NUMBER: 36,688
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO.: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 329 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-916-576B-14

Query Match          18.3%; Score 59; DB 4; Length 329;
Best Local Similarity 84.8%; Pred. No. 4e-10;
Matches 112; Conservative 0; Mismatches 13; Indels 7; Gaps 4.

QY   191 ttgttgcccatctcctaacagtttagaggccgatcacctggaagaatatacaangcttc 250
      ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB    2 tTGGAGGACCACTCTGTACTAAGTAGAGCCGATCATCCTGAAGAATATTC -AATGCTCTC 60

QY   251 tatgttgcgaaccctgcagatatcaagctctgttgtcttgacacaatgaagaagctctcaag 310
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB    61 TATGCTTGACG-ACCIGCAGATACAG-----TCIGTTNTTMCACATGATGAGAAG-TCTCAAG 114
           ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY   311 ttctctgaagact 322
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB    115 TTGCTGAAGACT 126

RESULT 12
US-08-916-576B-15
Sequence 15, Application US/08916576B
Patent No. 6171816
GENERAL INFORMATION:
APPLICANT: YU, GUO-LIANG
APPLICANT: DILLON, PATRICK J.
APPLICANT: EBNER, REINHARD
APPLICANT: ENDRESS, GREGORY A.
TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESS: STERN, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: US
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,576B
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,347

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; INFORMATION FOR SEQ ID NO: 3:

FILING DATE: ;

Search completed: March 18, 2002, 21:01:05
Job time: 2817 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 18, 2002, 21:01:05 ; Search time 177.86 Seconds
(without alignments)
5817.935 Million cell updates/sec

Title: US-09-867-034-3

Perfect score: 4569

Sequence: 1 atgataaattcctcaaac.....tgcagctgctaatagctag 4569

Scoring table: IDENTITY_NUC

Searched: Gapop 10.0 , Gapext 1.0

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_NA:*
1: /cgn2.6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2.6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2.6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2.6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2.6/ptodata/2/ina/PTOS.COMB.seq:*
6: /cgn2.6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	970.2	21.2	40328	3	US-08-742-185-102
C 2	957.4	21.0	18596	4	US-09-318-448-11
C 3	762.8	16.7	878	1	US-08-469-667-8
C 4	762.8	16.7	878	5	PCR-US95-07289-8
C 5	649.6	14.2	10607	1	US-08-078-090-3
C 6	514.6	11.3	29604	3	US-08-781-891-207
C 7	479.6	10.5	176373	3	US-09-128-155-17
C 8	478	10.5	152331	3	US-09-128-155-16
C 9	450.6	9.9	1512	2	US-08-909-965C-8
C 10	363.4	8.0	80246	4	US-09-078-294-4
C 11	361.8	7.9	80595	4	US-09-078-294-3
C 12	277.6	6.1	461	4	US-08-991-789A-274
C 13	273.2	6.0	3562	4	US-09-360-197-1
C 14	273.2	6.0	3647	4	US-09-360-197-7
C 15	247.2	5.4	401	4	US-09-221-298-34
C 16	235	5.1	10754	2	US-08-966-958-1
C 17	235	5.1	10754	2	US-09-215-817-1
C 18	235	5.1	10754	4	US-09-342-353-1
C 19	228.2	5.0	576	4	US-09-385-982-23
C 20	221.4	4.8	595	4	US-09-385-982-25
C 21	213.6	4.7	483	4	US-08-592-126-118
C 22	200.8	4.4	618	4	US-09-385-982-24
C 23	194.4	4.3	43795	4	US-08-742-185-101
C 24	183.4	4.0	611	4	US-09-385-982-27
C 25	178.6	3.9	6763	2	US-08-756-506-23
C 26	178.6	3.9	10807	1	US-08-206-176-7
C 27	178.6	3.9	10807	2	US-08-756-506-5

28	168.6	3.7	742	4	US-09-385-982-33	Sequence 33, Appl
29	144.2	3.2	1326	3	US-09-100-391-1	Sequence 1, Appl
C 30	137.4	3.0	152331	3	US-09-128-155-16	Sequence 16, Appl
C 31	137.2	3.0	573	4	US-09-385-982-420	Sequence 420, Appl
C 32	135.4	3.0	176373	3	US-09-128-155-17	Sequence 17, Appl
C 33	128.8	2.8	1062	2	US-08-611-757-33	Sequence 33, Appl
C 34	128.8	2.8	1062	5	PCR-US95-05980-33	Sequence 33, Appl
C 35	123.2	2.7	8355	4	US-08-406-030A-23	Sequence 23, Appl
C 36	121.8	2.7	2720	4	US-09-050-159-131	Sequence 131, Appl
C 37	120.4	2.6	49136	4	US-09-422-868-1	Sequence 1, Appl
C 38	102.6	2.2	300	4	US-08-991-789A-64	Sequence 64, Appl
C 39	93.2	2.0	2167	3	US-08-884-324-7	Sequence 7, Appl
C 40	93.2	2.0	28994	3	US-08-884-324-14	Sequence 14, Appl
C 41	85.4	1.9	72928	3	US-09-009-913-1	Sequence 1, Appl
C 42	83.2	1.8	1851	4	US-08-991-789A-291	Sequence 291, Appl
C 43	79.4	1.7	90050	4	US-09-245-041-5	Sequence 5, Appl
C 44	71.2	1.6	852	4	US-09-461-697-1	Sequence 1, Appl
C 45	70	1.5	90050	4	US-09-245-041-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-742-185-102/c
Sequence 102, Application US/08742185
Patent No. 6020476
GENERAL INFORMATION:
APPLICANT: Page, David C.
APPLICANT: Reijo, Renee
APPLICANT: Saxena, Richa
APPLICANT: Hawkins, Trevor
APPLICANT: Reeve, Mary Pat
TITLE OF INVENTION: DAZ: A GENE FAMILY ASSOCIATED WITH ACOOSPERMIA
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/742,185
FILING DATE: 30-OCT-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/690,734
FILING DATE: 31-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/310,429
FILING DATE: 22-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH194-07A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 102:
SEQUENCE CHARACTERISTICS:
LENGTH: 40328 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-742-185-102

Query Match	21.2%;	Score 970.2;	DB 3;	Length 40328;
Best Local Similarity	90.5%;	Pred. No. 2.6e-276;		
Matches 1069;	Conservative 0;	Mismatches 58;	Indels 54;	Gaps 11;

QY	1	atagtaaaattctcaaacatatacctctcccaagacataaccaggaagaattgaatct	60
Db	19112	atggataaactctctgcacacatracattctcccaagctaaaccagaaacatttgattct	190533
QY	61	ctgaatagaaccaataacaggctctgatatctgycataatacaagcttaccaccaa	120
Db	19052	ctgaatagaaccaataacaggagctgaattgtggcaatatactaatgctccaccaoccaa	189933
QY	121	aagaatccaggaacagatggaatcacagctgaaattctacagaggtacaaggaactg	180
Db	18992	aagagctccaggaacagatggaatcacagctgaaattctacagaggtacaaggaactg	189333
QY	181	gtacatctccctctgaaagtatacaacaatagaaaaagggcaatctctctaactg	240
Db	18932	gtacatctccctctgaaagtatacaacaatagaaaaagggcaatctctctaactg	18873
QY	241	tttatagagccaacatactcctgatataccaaagccggagagagacacaaaccaaaag	300
Db	18872	ttttatagagccaacatactcctgatataccaaagccggagagagacacaaaccaaaag	188131
QY	301	aattttagaccgaatactccttgtaacatttgaatgcaaaaatccctcaataaaactgga	360
Db	18812	aatttttagaccgaatactccttgtaacatttgaatgcaaaaatccctcaataaaactgga	187333
QY	361	aaccgaatccagcaagacataccaanaagcttataccacatgataagtgagcttaccct	420
Db	18752	aaacgaatccagcaagacataccaanaagcttataccacatgataagtgagcttaccct	186933
QY	421	ggagat-----a	426
Db	18692	ggagatccaaagcgtgcttcaattatgacgaataatcaatgataatccagcatataacaga	186333
QY	427	accaaagacaaaaacacatagtatcctcaatagatgacgaagaagccttgtaacaaat	486
Db	18632	accaaagacaaaaacacatagtatgataatgataatgataatgataatgataatgataatg	185733
QY	487	caacaacccctatgctataaaacccctcaataattagatatgatatgagacatatctcaa	546
Db	18572	caacaacccctatgctataaaacccctcaataattagatatgatatgagacatatctcaa	185133
QY	547	ataataaagctatctatgycaaagccacagccaataatactgaatgagycaaaaactg	606
Db	18512	ataataaagctatctatgycaaagccacagccaataatactgaatgagycaaaaactg	184533
QY	607	gaagacatccctctgaaaacctgycacagaacagagatgagccctctcaacactctatc	666
Db	18452	gaagacatccctctgaaaacctgycacagaacagagatgagccctctcaacactctatc	183933
QY	667	aacatagtcttggaagctctggccagggagcaattagcagaggaagaataaagggtctt	726
Db	18392	aacatagtcttggaagctctggccagggagcaattagcagaggaagaataaagggtatt	183333
QY	727	caattaggaagaagaagtaactaatgtctccgtttgcaggtgacatgattgataacta	786
Db	18332	caattaggaagaagaagtaactaatgtctccgtttgcaggtgacatgattgataacta	182733
QY	787	gaaaccccatctctcagcccaaaaatcctcttaagctgataagaacttcagagaaagt	846
Db	18272	gaaaccccatctctcagcccaaaaatcctcttaagctgataagaacttcagagaaagt	182133
QY	847	tcaagatatacaaatcaattgatacaaaaatcacagaactcctaataccatacagagaa	906
Db	18212	tcaagatatacaaatcaattgatacaaaaatcacagaactcctaataccatacagagaa	181533
QY	907	acaagagcccaaatcaatgaaatgaactcccatcacaatctgcttcaaagaaataaatac	966
Db	18152	acaagagcccaaatcaatgaaatgaactcccatcacaatctgcttcaaagaaataaatac	180933

[illegible]

```

RESULT 2
US-09-318-448-11/C
: Sequence 11, Application US/09318448
: Patent No. 6210950
: GENERAL INFORMATION:
: APPLICANT: Johnson, William G.
: APPLICANT: Steenroos, Edward S.
: TITLE OF INVENTION: METHODS FOR DIAGNOSING,
: TITLE OF INVENTION: DEVELOPMENTAL DISORDERS
: FILE REFERENCE: 601-1-057
: CURRENT APPLICATION NUMBER: US/09/318,448
: CURRENT FILING DATE: 1999-05-25
: NUMBER OF SEQ ID NOS: 46
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 16596
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-318-448-11

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Query Match	21.08	Score 957.4	DB 4	Length 18596
Best Local Similarity	90.98	Pred. No. 9.7e-273		
Matches 1074; Conservative	0	Mismatches 51	Indels 56	Gaps 3

OY	1	atgataaaattccctcaacacatacactctcccaagaactaaaccgagaagaattgaaact	60
Db	8513	ATGATATAATTCTCTGACACATACACTCTCCCAAGCTAAACACAGAAAGATTGAATCT	8454
OY	61	ctgaatagaccaataaacaaggctcttgatlatgtgcaataatcaagaagcttaaccaacaa	120
Db	8453	CTGAAATAGACCAATTAACAGAGAGCTGAAATGTGGCCAAATATCAATAGCTTACCAACAAA	8394
OY	121	aagagtcagagacaagaatgtaattcacagcttgaaattctaccagaggtaaaagaagaactg	180
Db	8393	GAGAGTCCAGSACCAGATTGATTCACAGCCGAATTTCT -CCAAGGTACAAAGAGGAACCTG	8335
OY	181	gtacacattccctctgaaagatatactacaatcaatagaanaaagagcaatccctccctaactcg	240
Db	8334	GTACCAATTCTCTTGAAACATATTCCTCAATCAATAGAAAAGAGGAATCTCTCCCTACATCA	8275
OY	241	tttatataggcaacatctcatctcgtataccacaagaacgggagagaaacaacaacaaaaaagag	300
Db	8274	TTTTATGAACCCACATCATCTCGATTACCAAAAGCTGGGAGAGAAC -ACCAAAAAAAGAG	8216
OY	301	aattttagaccaatattcttgatgaaacatttgaatgcacaaatcctcaataaatactggca	360
Db	8215	AAATTTTAGACCAATATTCCTTGATGAACATTTGATGCAAAATCTCAATATAATTACTGGCA	8156
OY	361	aaccggaatccagcagcagcatcacaataaagcttatccacatgatgcaagtyggcttcaatccct	420
Db	8155	AACGGAATCCAGACAGACATCAAAAAAGCTTATCCACCATGATCAATGGGCTCATTCCTCT	8096
OY	421	ggagat-----a	426
Db	8095	AGGATGCAAGCGTGTTCAATATACCCAAATCAATATAATGTATATCCACCATATATAACGA	8036
OY	427	accaaagacaaaaaacacatgatatctccaatagatgcaagaagagccttggacaaaatc	486
Db	8035	TCCAAATACACAAACCAATGATTATCTCAATAATAGATGCGAAGAAAAGCCTTTGACAAAATT	7976

487 caaacacccctcatgcttaaaacccctcaataaattagatatagtgagacatactcaaa 546
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7975 CAACACACATCATCTGCTAAACCTTCATTAATTAAGTATGATGGAACATATTTTCAAA 7916
547 ataataagagctatactatgagcaagccacagccaatatactatgagtgagcaaaactg 606
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7915 ATAAATAGAGCTATCTATGACAAAGCCACAGCCATATATCATATGATGAGCAAAACTG 7856
607 gaagcattccctttgaaactgagcacaagaacagagatgccctctccaccatccattc 666
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7855 GAAGCATTCCTTTGAAACCTGGCCACAGACAGGATGCCCTCTCCACACACTCCATTC 7796
667 aacatagtttggaagttctgagccaggaacattagagcagagagaagaataaagggtttt 726
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7795 AACATAGTGTGGAGCTTCTGGCCAGGCAATTAGCCAGGAGAGAAATTAAGGGTATT 7736
727 caattagaaagaaggaagtcgaattgtccctgtttgcaagtgacatgtatgtataccta 786
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7735 CAATAGGAAAGAGAGAGTCAAAATTTGCCCTGTTGACAGACACATGATTTATATCTA 7676
787 gaaacccattctctcagagcccaaaatctccttaagctgataagcaactcagcaagtc 846
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7675 GAAACCCCATTTGTCACCCCAAAATCTCTTAAGCTGATTAAGCAGCTTCACCAAGTC 7616
847 tcaagatcacaaatcaatgacaaatcaagaactccctatacacaatacagagaa 906
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7615 TCAGGATATTAATCAATCTGCAAAATCACAAGCATTTCTTATACACANTTAACAGACAA 7556
907 acagagagccaaatcaatgaatgaactcccatcacaatgtctcaagaagaataaatac 966
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7555 ACAGAGAGCAAAATCATGAGTGAATTTCCACTGCACATTTGCTTCAAGAAGATAAATAAC 7496
967 ctgaggaatccaactcaagagagtgatgagagacctcttcaagagagactcaaacactg 1026
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7495 CTAGGATCTCACCCTTAAAGGGATGTGAAGGACCTCTTCAAGGAGAACTTAACAACACTG 7436
1027 ctcaagaataaagaagagatatacaacaataatgagaagaacttccatgctatgatagga 1086
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7435 CTCATGAATTAATAAGAGATACAAAGAAATGGAAGACCTTCCATGCTCATGCTGATGGA 7376
1087 agaatacatatcgtgaanaatgagccatctgcccagaattat 1127
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 7375 AGATCAATATGCTGAATAATGGCCATAGTCCCAAGTAAAT 7335

RESULT 3
US-08-469-667-8
; Sequence 8, Application US//08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gillfillan, Cecchi,
; STREET: Stewart & Oistein
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469, 667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:

NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ. ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 878 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
US-08-469-667-8

Query Match 16.7%; Score 762.8; DB 1; Length 878;
Best Local Similarity 99.5%; Pred. No. 6.2e-216;
Matches 775; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

3792 tgtctactcaaggtatcttccaaactatgacacgaatggtgatacagtgtaaaagtgcg 3851
1 TGTCTACTCAAGGTATTTCACAACTTATGACAGGAATGCTAGATGCTAAAGTGGC 60
3852 ggcctcgggagaggttaacgacgacgagagatgataccccaagagatggagcact 3911
61 GGCCTCGGAGAGGATTAAACCCAGCCAGACGAGATACCCAGCAGATGGAGCACT 120
3912 gtacataccgggttgatgataatgataatgataatgataatgataatgataatgataat 3971
121 GTACATACTGGCTGGCTGGATGATGATGATGATGATGATGATGATGATGATGATGAT 180
3972 taataagatgataatgataatgataatgataatgataatgataatgataatgataatg 4031
181 TAATAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
4032 attctgagcttcgtagtgcctccaaatgctccatacctgatactcttccaccctgg 4091
241 ATTTGTCGCTTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
4092 caccgacctgaagcggaattcaaggggagcttcataatcctgactgagacgctc 4151
301 CACCGACCTGAAGCGGAATTCACGGGGCAGTCTCATTAATCTGACTTGACAGCTCC 360
4152 tgggagatgataatgataatgataatgataatgataatgataatgataatgataatg 4211
361 TGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
4212 tcttgatcagagacgaatgataatgataatgataatgataatgataatgataatgata 4271
421 TCTTGATCTCAGAGACAGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
4272 aaaggaagccaactctgaggaagtcctttgtttaaccagaagaacatctactttgaaa 4331
481 AAAGGAAGCCAACTCTGAGGAAGCTTTTGTTTAAACCAAGAAACATTAATCTTTGAAA 540
4332 tggacagatccttctatctatcagagctgttgataagtgatcagatcgaagaat 4391
541 TGGACAGATCTTTTCATCTCTATTCAGGCTGTTGATGAAGTGCATGTAATCAGAAAT 600
4392 atcaaatctgacagatccttcttcttctccacagactcgcagagacactag 4451
601 ATCAACATATGACAGAGATCTTTGTTTATCTCCACAGACATCCGCCACAGACACTAG 660
4452 tctctgtgaaagctgctgctctgtt-cctaattatatacaacagacacactccggga 4510
661 TCTGTATGAAGCTGCTGCTCTGCTTAATTAATTAATTAATTAATTAATTAATTAATTA 720
4511 ttcaattttaaataatctatgtgaagtgaataagaaactgcagctgtcataagctag 4569
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||


```

? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (202)628-5197
? TELEFAX: (202)737-3528
? TELEEX: 248633
? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 10607 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? FEATURE:
? NAME/KEY: CDS
? LOCATION: join(4804..4854, 5720..5746, 6726..6746, 6845..6866)
? LOCATION: ..6886, 7991..8521, 9440..9445)
?
?
? US-08-078-090-3

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QY	424	atcccaagaacaaaacccacgatgtattctoaatgatgtgcagaaagaccttlaacaa	483
Db	4335	AAAACCAAGCAAAAACCAATGATTATTCTCAATGATGCGAAGAAAGCCCTTTACAAA	4276
QY	484	altcaacaaccccttcacatgctcctcaaaaaccctcaatlaaattagatattgattggaacatctc	543
Db	4275	ATTCAACAAACACTTCATGCTTAAAAACCTCCAAATATTGATGATTGATGGACATATCTC	4218
QY	544	aaaaataaagagctactctatgycgaagagccacagccaatatactatgaaatgycgcaaaa	603
Db	4215	AAAATATTAAGAGCTATCTATGTGACAAACCCACGCAATATCATCTGATGATGAGACAAA	4156
QY	604	ctggaagacatctcccttctgaaacatgycacaagaacaggaatgcctctccacactccta	663
Db	4155	CTGGAACCATTTCCGTTAAAAATTGGCACAAGACAGAGTGCCTCTCTCACACTCTCA	4096
QY	664	tccaacatagttttggaagttctcgccagggcaattaaggacagagaagaagaaataaaggt	723
Db	4095	TTCAACCTATGATGTTGGAAAGTTCTGGCCAGGGCATTTAGGCAGAGAGAAAGAAATTAAGGTC	4036
QY	724	ttcaactatgaaagaagagagtcacaattgtccctgttgcagagtgacaatgattatc	783
Db	4035	ATTCAATTAGGAAGAAGAGAAAGTCAATTTGCCCTTTTGCGAGATGACATGCTGTGAT	3976
QY	784	ctagaaaaccccatctctcagcccaaaatctccctaaagctgataagcaaatccagcaaa	843
Db	3975	CTAGAAAACCCCATCTGCTCTCCAGCCCAAGCTCTCTTAACCTATTAAGCANCTTCAGCAAA	3918
QY	844	gttcacagatatacaaaatcaatgtcaaaaaatccacaagactccctatagaacaaataagga	903
Db	3915	GTTCACAGATACAAATATCATTTGTGCCAAAATTCACAAAGCTTCATATATACCAATATACGA	3856
QY	904	gaacacagagaccnaatcatcgtaaatgaaatcccatcccatccaatgtgctcaagagaaataaa	963
Db	3855	CAAAACAGAGCCAAATCATGATGTGAATCCCTCAATCAAAATTGGCTTCAAAAGAGATTAATA	3796
QY	964	tactatagaaatccaacttaaaagagatgtgaaagagactcttaagagaagacttaaaaacca	1022
Db	3795	TCCCTTAGATATCAACTTATACAAAGGATGAGAAAGACCTCTCCAAAGGAGAACTACAAACCA	3736
QY	1024	ctgctcctaataaaataaaagaggtatacaaaaatggaagaacatccatgctcctatgata	1083
Db	3735	CTGCTCAATGAATTAATAAAGAGGATACAAACAAATGAGAAACATTTCCATGCTCATGGGTA	3676
QY	1084	ggaagaatcaaatctgtgaaatgycgcatactgycccaagattat	1127
Db	3675	GGAAGAATCAATATCATGAAAAAGGCGCATATGCGCCCAAGAGTAT	3632

RESULT 6
US-08-781-891-207/c

Query Match	11.3%;	Score 514.6;	DB 3;	Length 29604;
Best Local Similarity	66.6%;	Pred. 1.9e-141;		
Matches 782;	Conservative	0;	Mismatches 339;	Indels 54;
				Gaps 1;

Qy	1	atggaataatctctcaacacatcacctctcccaagactaaaccaggaagaattgaatct	60
Db	23245	ATGGCAAAATTTCTTGGAAGAATACCAAGTACCAGGTACCAAGTTGAATCAGCATCAAGTTGACTAT	23186
Qy	61	ctgaatagaaccaataacagcgtctgatatcttggcaataatcaagaagcttaccaccaa	120
Db	23185	CTAAACAGTCCCATATACACCTAAAGAAATATAGACAGCTTATTAATTAAGTCTCCCAACCAA	23126
Qy	121	aagagtcagaagcagcagatgagatctcaagctgaatctcaacagaggtacagaaggaagt	180
Db	23125	AAAAGCCAGGACCCAGATGGGTTTAGTGCAGAGTCTATACAGACCTTCGAAAGAAATATCTA	23066
Qy	181	gtaccatctcctctgaagaattatlaacatcaatagaaagaagcgcaatctccctaactcg	240
Db	23065	ATTCACACTCTTCGCACAAACTATTTTCACAAATAGAGATGAGAGGACTCTACCCCAACTCA	23006
Qy	241	tcttatggcgcaacatctatctgtatatacacaagccggcgacagacacacccaataaagag	300
Db	23005	TTTTATGAGGCCACACTATTAAGTCTGATTAAGTAAACACAGAAAGAGCCCAACAAAGATTAAG	22946
Qy	301	aattctagaaccaatactcttgaagaacaatgtagcaaaatctctcaataaataactggca	360
Db	22945	AACTTCAGACCAAAATTTCTTATGAAATTCAGATGCAAAAATCTCCATTAATAATTCCTCGCT	22886
Qy	361	aaccgaatccacgcgcacatcaaaaagcttatcaccaatgataagtyggcttcatccct	420

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Db 22885 AACGGAATCCAGAACACATTAAAGCAATCCATCCCTGACCAAGTAGGTTTATTCCAA 22826
QY 421 ggaat-----a 426
Db 22825 GGGATGAGGATGTTTAAATATACGAAATCCATCAATGTAATCCATTATATAACAAA 22766
QY 427 accaaagacaaaacacatgatattatcgaatagatgaagaagaagcccttgacaaatt 486
Db 22765 CTCNAAAGACAAAACACATGATCATCTCGTTAGATGCAGAAAAGCATTTTGACACAGATC 22706
QY 487 caacaaccccttcagctcaaaaacccctcaatgaattagatatttgatggaactatctcaa 546
Db 22705 CAACACCCATTATGATGAAAGTGTGAAAGATCAGAAATTTCAAGGCCCTTACCTTAAC 22646
QY 547 ataaagagctatcctatgagcaagcaagccacatatacctgaattgggcaaaaactg 606
Db 22645 ATGATTAAGCAATCTACAGCAAAACAGTAGCCACATCAAGTAATATGAGAGAGGTG 22586
QY 607 gaagcattcccttgaaaactgacaaagacagaggtgcccctctcaacacccctatctc 666
Db 22585 GAACCAATCCCACTAAATATCGAGGACTAGACAGGCTGCCACTTTCCTTACCTTTTC 22526
QY 667 aacatagtttggaggtctcggccaggcaattagcagaggaagaataaaggtttt 726
Db 22525 AACATAGTACTTGAGATTTAGCCAGAGCAATTCGACAGAAAAGAGATTAAGGGGATA 22466
QY 727 caattagaaaagaggaagtcnaattgcccgttttgcaggtgacatgattgataccta 786
Db 22465 CAATTTGAAAAGAGAGAAAGTCAAAATATCACTTTTGCAATGATGATGATGATATATA 22406
QY 787 gaaaccccatctcctcagcccaaaatcctccttaagctgataaagaacttgaagaagtc 846
Db 22405 AGTGACCCCTTAAATTTTACCGAGAACTCCTTAAACCTGATAAACAGCTGGTGAAGTA 22346
QY 847 tcaagatacaaaatcaatgtgtaaaaatcaacaagcatcctatacacaataaagaaga 906
Db 22345 GCTGGATATATAAATAACTCAAAACAGTCATGGCCTTTCTCTTACAAAATAATTAACAG 22286
QY 907 acagagagccaatcatgaaatgaaatcccatcacaatgtgcttcaagaagaataaatac 966
Db 22285 GCTGAGAAAAGAAATTTAGGAGAAACACCTTTCATATAGTCACAAATTAATTAATAT 22226
QY 967 ctggaatccaacttacaagagatgtgaagacctcttcaagaggaactaataaccactg 1026
Db 22225 CTTGGCTGACTCTTAAGTAAGAGTGAAGAGTGTGATTAATAACCTTCAAAATCTCTG 22166
QY 1027 ctcaatgaataaaagaggtatatacaacaatggaagaacattccatgctcatgataga 1086
Db 22165 AAGAAAAGAAATTAAGGAAGATCTCAGAAAGATGGAAGATCTCCCATGCTCATGGAATTG 22106
QY 1087 agaatacatatcgtgaaaatggtccatactgcccacaa 1121
Db 22105 AGGATTAACATTTGTAATAATGGCTATCTTGCCAAA 22071

RESULT 7
US-09-128-155-17
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; EARLIER FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; NUMBER OF SEQ. ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
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; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

Query Match 10.5%; Score 479.6; DB 3; Length 176373;
Best Local Similarity 89.1%; Pred. No. 1,4e-130;
Matches 529; Conservative 0; Mismatches 64; Indels 1; Gaps 1;

QY 547 ataaagagctatcctatggaagcaagccacatatacctgaattgggcaaaaactg 606
Db 41578 atgtcgaagctattatgataaaacccacagccatatacctgaattgggcaaaaactg 41637
QY 607 gaagcattcccttgaaaactgacaaagacagaggtgcccctctcaacacccctatctc 666
Db 41638 gaaacattcccttgaaactgacaaagacagaggtgcccctctcaacacccctatctc 41697
QY 667 aacatagtttggaggtctcggccaggcaattagcagaggaagaataaaggtttt 726
Db 41698 aacatagatcggaggtctcggccaggcaatcaagaagaagaataaaggtatt 41757
QY 727 caattagaaaagaggaagtcnaattgcccgttttgcaggtgacatgattgataccta 786
Db 41758 caattagaaaagaggaagtcnaattgcccgttttgcaggtgacatgattgataccta 41816
QY 787 gaaaccccatctcctcagcccaaaatcctccttaagctgataaagaacttgaagaagtc 846
Db 41817 gaaaccccatctcctcagcccaaaatcctccttaagctgataaagaacttgaagaagtc 41876
QY 847 tcaagatacaaaatcaatgtgtaaaaatcaacaagcatcctatacacaataaagaaga 906
Db 41877 tcaagatacaaaatcaatgtgtaaaaatcaacaagcatcctatacacaataaagaaga 41936
QY 907 acagagagccaatcatgaaatgaaatcccatcacaatgtgcttcaagaagaataaatac 966
Db 41937 acagagagccaatcatgaaatgaaatcccatcacaatgtgcttcaagaagaataaatac 41996
QY 967 ctggaatccaacttacaagagatgtgaagacctcttcaagaggaactaataaccactg 1026
Db 41997 ctggaatccaacttacaagagatgtgaagacctcttcaagaggaactaataaccactg 42056
QY 1027 ctcaatgaataaaagaggtatatacaacaatggaagaacattccatgctcatgataga 1086
Db 42057 ctcaaggaataaagagaggaacaaacaatggaagaacattccatgctcatgataga 42116
QY 1087 agaatacatatcgtgaaaatggtccatactgcccagaattatgctagatataag 1140
Db 42117 agaatacatatcgtgaaaatggtccatactgcccagaattatgctagatataag 42170

RESULT 8
US-09-128-155-16
; Sequence 16, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; EARLIER FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; NUMBER OF SEQ. ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
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Db	530	AGAAATCTTCAACAAATTA	CTAGCAAACTTAACCCAAACGACATCAAAAAGTAATTAA	589
Qy	396	ccatgatcaagtggtctca	lccctggagat-----	425
Db	590	CTATGATTTAAGTGGGTAT	TATCCCGAGCATG	649
Qy	426	-----	aaocaaagacaaacacatgatatctcaatga	461
Db	650	AAATGTGATTCACCATGT	TAACAGAAATTTAAAAACAAAACCATATGATTTATCTCAATAGA	709
Qy	462	tgcaagaagaagccttt	gacaaatctcaacacaccttcacatgctcaaaagacctcaatcaat	521
Db	710	TGCAAAA--	-GCATTTGATTAATTAACAGCATCTTTTAT-----	763
Qy	522	agatatgtatgagacata	lctcaaaataaagaagctatctatgycaaagccacagcca	581
Db	764	AGATATTTGAAGGAACAT	ATTTCAAAATTAATTAAGCTACATTTGAGAAA--CCACAGCCAA	822
Qy	582	tatactactgaatgagca	aaaaactctggaagatc--ccctttgaaanactgycacaaagag	640
Db	823	CATATACAGAAATGGA	AGAAAGTTCACAAAGCATTTCCCCCTTAAGAACCTGGAAATTAAGACAG	882
Qy	641	gatgcctctctccaccc	ctctatctcaacatagtttggaaagctctgycaggaagcaatla	700
Db	883	GATGCCCATTTTAC	CCACTTCTATTTCAATTAATTAATGGAAGTCATAGCCAGGCCAATCA	942
Qy	701	ggcagsgaagaataa	aaagggttccaattaggaagaaggaagtcacaaatgtgccgtg	760
Db	943	GTCACAGA---	GAAGGAAGAAATTCACAAATTCAGAAAAGAGAAAGCAACATATTATATAT	998
Qy	761	tttgagtgatcatgat	gtatatactatgaaaaccccatctctcagcccaaatcttccta	820
Db	999	TTGGCCGACGATATG	ATGATTTGTATTAACCTTAAGATCCCTTCCAAAAGACATCTTAG	1058
Qy	821	agctgataagaac	tctcagcaagctctcagatatacaaatgacatacaaatcacaag	880
Db	1059	ATTTGACAAATGAT	TTAAGTAACTCTCAGAGTTACAAAATCCATGTACCAAAATCAGTAG	1118
Qy	881	catctctatacaca	ataaagaagaagagagccaaatcaltgaatgactcccatca	940
Db	1119	CTCTGCTGCATG	CCACACACGACCAAGCTGAGAAATTAATAAAAACCTACGCTCTTATA	1178
Qy	941	caatgtcttcaaga	agataataatctaggaatccaacttcaagaaggtatggaagacc	1000
Db	1179	TAAATAGGTGAAA---	AAAAAAAACCTAGAAATACATTTAATCTGGGAGCTGAAGAGC	1234
Qy	1001	tcttcaaggaaga	actcaaacacactgtctcaatgaataaagaagatatcaaacaaatgta	1060
Db	1235	TCTTCAAGGAGGACT	ACAAAACCCACTGAAGAAGATCCACAGTGTATCAAAAATAATGSA	1294
Qy	1061	agaacattcatgtc	atcgtatagataagaagaatcaatctcgtlgaanaatgycacatctgccca	1120
Db	1295	AATACGTGTCATG	CTCATGTGTAAGTAATGAGAAATCAGTATCACACAAATGATCATATTGCTCA	1354
Qy	1121	a 1121		
Db	1355	A 1355		
RESULT 10				
US-09-078-294-4/c				
Sequence 4, Application US/09078294				
Patent No. 6265211				
GENERAL INFORMATION:				
APPLICANT: Choo, Kong-Hong Andy				
APPLICANT: Du Sart, Desiree				
APPLICANT: Cancilla, Michael R.				
TITLE OF INVENTION: A NOVEL NOCLEIC ACID MOLECULE				
FILE REFERENCE: Davies Col				
CURRENT APPLICATION NUMBER: US/09/078,294				
CURRENT FILING DATE: 1998-05-13				
NUMBER OF SEQ ID NOS: 29				
SOFTWARE: PatentIn Ver. 2.0				

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; SEQ ID NO 4
;
; LENGTH: 80246
; TYPE: DNA
; ORGANISM: Nucleotide sequence of NC-contig
US-09-078.294-4
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Query Match	8.0%;	Score 363.4;	DB 4;	Length 80246;
Best Local Similarity	70.5%;	Pred. No. 2.3e-96;		
Matches 580;	Conservative	0;	Mismatches 191;	Indels 52;
				Gaps 5;

OY	346	aaataatactgagcaaacccgaatccagagacatcaaaaagcttatccacatgatca	405
Db	50429	AAAAAAAAATTAGCAACCAATTCAGACGACATCATCAAAAATTAA--CACATCATTTAA	50372
OY	406	gtgggcttcattccctgggagt-----aaccaagaacaaaacacatgat	449
Db	50371	GTAGGTTTAATCCCTGGGATGGAAGTTTGGCTCAACATGCAACATTCATATAATCAATTT	50312
OY	450	tattccaatagatgtgagaaaagcgctttgacaaaattcaacaccccttcagtctaanaac	509
Db	50311	CACCAAAATTAAGACCCAGAAAAGGCTTTCAATTAATTCAAACATCCCTCATATATAAGGC	50252
OY	510	octcaataatagatagatgatgggacatatcctaataataagagctatcatgagca	569
Db	50251	CTTTGACAAACTAGGCGATCAAAAGGAATACACTCCAATTAATAAGACCATTTGGACAA	50192
OY	570	agcccaagccaatalcatactgaatgaggcaaaaactggaagcattccctttgaaaactg	629
Db	50191	ACCCATGGCGCAATCATATTTAATTAATGGGCAAAAAGCTGGAAACCATTTCCCTTGAGAGTGG	50132
OY	630	cacaaagaacgagatgacctctctccacctctatccaatagtttggaaagttctg	689
Db	50131	AACAAGAACAGGATGCTCACTTCAGACACTCTTATTCAAAGTAAGTACGGA-----	50079
OY	690	caggcgaattagcgaggaagaataaaggtttcattatgagaaaagaggaagtc	749
Db	50080	-AGACCAATCAGACACAAGGAAAGAAATTAAGAGCAATTCAAATATGAAAAAGAAAGACTCA	50022
OY	750	attgtccctgtttggaagtgacatgattgtaacctagaaaaaccccatctctcagcca	809
Db	50021	ACTATCTTCTTCTTCTTAATGATATGATTTCTTAATCTAGAAAACCTACAGACTTTG--CCA	49963
OY	810	aaattccttaagctcgataagaacttcaagcaagttccagatatacaaatcaatgctca	869
Db	49962	AAGGCTCTAGAACGTAAATATGACTTTCAGTAAGGTTTTCAGGATACAGAAATCAGTGTCA	49903
OY	870	aaaatcacaaagcttcatacaccaactaaacagaaaacagagagcacaatcatatga	929
Db	49902	AAACCTGTAGCATTTCTATACCCAAATTAACATTTCAGCTGAGACCCACATGAACAAATGC	49843
OY	930	actcccatcacatgtcttcaaagaagataaataactaggaaatccaactacaagga	989
Db	49842	AATCCCATTTTAAATAGTCACCTTAAATAATGAAATACCTAGG-----	49799
OY	990	tgtagaaggaaccttcaaggaagactacaacacctgtccaaatgaataaagagatac	1049
Db	49800	-----AGGATCTCTTCAAGGAANAACCTTAANAACATTGGTAAGGAAATATGTAAGATGACAC	49746
OY	1050	aaacaaatggaagaacatctcattgctcatgtaagaaagaatcaatctcgttgaatgagc	1109
Db	49745	AAACAAATGGAATAATTTCCATGCTCATGTAGTAGGAAGAATCATATTCATTAATAATGAC	49686
OY	1110	catactgcccaagattatgctagatataaagggtatccaatta	1152
Db	49685	ATACTGCCCCAAAGCAATCTATGATTCATATGATTCATATCTCTATCA	49643

RESULT 11
US-09-078-294-3/c
; Sequence 3, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:


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Db 307 AATAGAGCTTTATGACAAACCCACAGCCAAATATCATGTAATGGGCAAGACTGGA 366
Qy 609 agcatcccttgaaactgacagaagagatgccccttcacacccattcaaa 668
Db 367 AGCATCCCTTTGAAATGGACACAGAGATGCCCTCTCTCACCGCTCTATTGAA 426
Qy 669 catagtttgaaagtctgcgcagggaatagg 702
Db 427 CATAGTATTTGGAAGTTCTGGCCAGGCAATCAAG 460

RESULT 13
US-09-360-197-1/c
: Sequence 1, Application US/09360197
: Patent No. 6287859
: GENERAL INFORMATION:
: APPLICANT: Bassiliana, Frederic
: APPLICANT: Lazdunski, Michel
: APPLICANT: Waldmann, Rainer
: APPLICANT: Deweille, Jan R.
: TITLE OF INVENTION: Human and Rat Families of Neuronal Acid-Sensitive
: FILE REFERENCE: 989,6706P
: CURRENT APPLICATION NUMBER: US/09/360,197
: PRIOR FILING DATE: 1997-07-23
: PRIOR APPLICATION NUMBER: 09/129,758
: PRIOR FILING DATE: 1998-08-05
: PRIOR APPLICATION NUMBER: 60/095,408
: PRIOR FILING DATE: 1998-08-05
: NUMBER OF SEQ ID NOS: 22
: SOFTWARE: Patentln Ver. 2.1
: SEQ ID NO 1
: LENGTH: 3562
: TYPE: DNA
: ORGANISM: rattus sp.
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (123)..(1700)
US-09-360-197-1

Query Match 6.0%; Score 273.2; DB 4; Length 3562;
Best Local Similarity 65.5%; Pred. No. 1,7e-70;
Matches 449; Conservative 0; Mismatches 228; Indels 9; Gaps 3;

Qy 442 cacatgattatcctaataatgacagaaaggcccttgacaatatcaaaccccttcag 501
Db 2757 CACATGATCATCTCATTAAGATGCTGAGAAAGCATTTGGCAATTTCAAAACCCCTTCATG 2698
Qy 502 ctaaaaaccctcaataaattagatattgattgagacatatctcaaatataaagaagctatc 561
Db 2697 TTAAAGCTCTTGGAATATATCGAATATCAAGGCCCATCTACATAGTAAAGCCATA 2638
Qy 562 tatggcaagcacaagccaatatatctgaaatgagcaaaaactggaagccttccttg 621
Db 2637 TACAGCAAAACAGTAGGCAATATCAACTAAATGAGAGAAATTTGAAGCCATCCACGA 2578
Qy 622 aaacttgacacagagagatgccccttcacacacccattcaacaatagtttgaa 681
Db 2577 AAACAGGAACTATAGCAAGGCTGCCACTCTCTCCCTATCTATTCAATATAGAAATTTGAA 2518
Qy 682 gtctggccagggaataggcagagagaagaaataaagggtttccaattagaagaagag 741
Db 2517 GTCTAGGACAGCAATATAGACACAAAAGTCCCCAGAGGATGAGAAATTTGAAAGGAA 2458
Qy 742 gaattcaaatgtccctgttgcaggtgacatgattgtatacctagaaaaccccatctc 801
Db 2457 GAAATGAAA-TATCATATTATTCAGATGATATTAATAGTATTCTTAACGTGACCCCAAAAGT 2399
Qy 802 tcagcccaaaaatctccttaagcgtatagaagcaacttcagaaagctcagagatacaaatc 861
Db 2398 TCCACCGAGAGACACCTTAACCTGATTAAGAACTTTAGCAAGACGCTGGGTATTAATAATT 2339
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Qy 862 aatgtacaaaatcacagaatctcctatacaccaataacagagagaagagccaaatc 921
Db 2338 AACCCAAACAAATATAGAAAGCTTCTCTACTACCAAGAGTAAGTGGCGAGAAAGAAATT 2279
Qy 922 atgaatgaactcccatcacaatgtgtcctcaagaagaataaatacctaggaatccaa 981
Db 2278 AGGGAAATGACACCATCTCACAAATAGTGCACAAACAAATATAAATACCTTGCTGTGCTCTA 2219
Qy 982 acaaggagatgtgaaggcccttcagaaggagacacaaaccactgcccataatgaataaa 1041
Db 2218 ACCA-----AAAGATTTTATGACAGAACTTCAAGTCTTGAGAGAAAGAACTGAA 2166
Qy 1042 gagatatacaaaatggaagaacatccatgctcatgagatagagaaatcaatcgtg 1101
Db 2165 GTAGAT-TTACAGATATGAAAGATCTCCCTTGCGCATGAAATTTGACAGATTAACATAGTA 2107
Qy 1102 aaatggccatctgcccagaattat 1127
Db 2106 AAATGGCATCTTACCAAGCAAT 2081

RESULT 14
US-09-360-197-7/c
: Sequence 7, Application US/09360197
: Patent No. 6287859
: GENERAL INFORMATION:
: APPLICANT: Bassiliana, Frederic
: APPLICANT: Lazdunski, Michel
: APPLICANT: Waldmann, Rainer
: APPLICANT: Deweille, Jan R.
: TITLE OF INVENTION: Human and Rat Families of Neuronal Acid-Sensitive
: FILE REFERENCE: 989,6706P
: CURRENT APPLICATION NUMBER: US/09/360,197
: PRIOR FILING DATE: 1997-07-23
: PRIOR APPLICATION NUMBER: 09/129,758
: PRIOR FILING DATE: 1998-08-05
: PRIOR APPLICATION NUMBER: 60/095,408
: PRIOR FILING DATE: 1998-08-05
: NUMBER OF SEQ ID NOS: 22
: SOFTWARE: Patentln Ver. 2.1
: SEQ ID NO 7
: LENGTH: 3647
: TYPE: DNA
: ORGANISM: rattus sp.
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (109)..(1785)
US-09-360-197-7

Query Match 6.0%; Score 273.2; DB 4; Length 3647;
Best Local Similarity 65.5%; Pred. No. 1,7e-70;
Matches 449; Conservative 0; Mismatches 228; Indels 9; Gaps 3;

Qy 442 cacatgattatcctaataatgacagaaaggcccttgacaatatcaaaccccttcag 501
Db 2842 CACATGATCATCTCATTAAGATGCTGAGAAAGCATTTGGCAATTTCAAAACCCCTTCATG 2783
Qy 502 ctaaaaaccctcaataaattagatattgattgagacatatctcaaatataaagaagctatc 561
Db 2782 TTAAAGCTCTTGGAATATATCGAATATCAAGGCCCATCTACATAGTAAAGCCATA 2723
Qy 562 tatggcaagcacaagccaatatatctgaaatgagcaaaaactggaagccttccttg 621
Db 2722 TACAGCAAAACAGTAGGCAATATCAACTAAATGAGAGAAATTTGAAGCCATCCACGA 2663
Qy 622 aaacttgacacagagagatgccccttcacacacccattcaacaatagtttgaa 681
Db 2662 AAACAGGAACTATAGCAAGGCTGCCACTCTCTCCCTATCTATTCAATATAGAAATTTGAA 2603
Qy 682 gtctggccagggaataggcagagagaagaaataaagggtttccaattagaagaagag 741
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Db	2602	GTCTTACCAGAGCAATTACACAAACAAAAGTCCCCAGAGGATATGAAATTGSAAGSAA	2543
Qy	742	gaagtcgaattgtccctgttttcgaggtgcacatgatgtatctagtaaaccccatcttc	801
Db	2542	GAATGAAA-TATCATCTATTTCAGATGATATATATAGTATTTCTTACGTGACCCCAAAAGT	2484
Qy	802	tcagcccaaatctctcttaagctgcataagcaacttcgcgaagtlctcagatatacaaatc	861
Db	2483	TCCACCCGAGAACACCTTAACCTGATTAAGACCTTTAGCAAGACGCTGGGTATTAATTT	2424
Qy	862	aatgtacaagaatcacaagatcttcctatccataaacaagaagaacagagagccaatc	921
Db	2423	AACCCAAACAAATCAGAGGCTTCCTCTACTCAAAAGATTAAGTACGCTGAGAGGAAATTT	2364
Qy	922	atgaatgaactccatcacaacttgccttaagaagataaatactcagtaaccaactt	981
Db	2363	AGGGAATTCACACCATTCACATATGTACACAAACATATATAATACCTTTGGTGTGGCTCTA	2304
Qy	982	acaaaggagatylgaaggacctcttcaaggagaactacaaaccactgtcnaatgaataaa	1041
Db	2303	ACCA-----AAAAGATTTTATGTGACAGAAGACTTCCTCGAAGAAACAAACTGAA	2251
Qy	1042	gaggatacaacaatayggaagaacatltccatgtctcatygaatgagaatcaatactg	1101
Db	2250	GTAAGT-TTCAGAGATAGAAAGATTCCTTCCTCATGTAATTCGACGATTAACATTAATA	2192
Qy	1102	aaatgagcactatgcaccaagattat	1127
Db	2191	AAAAATGGCAATCTTACCAGAGGCAAT	2166

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RESULT 15
US-09-221-298-34
: Sequence 34, Application US/09221298
: Patient No. 6284241
: GENERAL INFORMATION:
: APPLICANT: XU, Jiangchun
: TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.471
: CURRENT APPLICATION NUMBER: US/09/221,298
: CURRENT FILING DATE: 1998-12-23
: NUMBER OF SEQ ID NOS: 112
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 34
: LENGTH: 401
: TYPE: DNA
: ORGANISM: Human
: US-09-221-298-34

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Query Match	5.48;	Score 247.2;	DB 4;	Length 401;
Best Local Similarity	95.7%;	Pred. No. 2,1e-63;		
Matches 308; Conservative	0;	Mismatches 8;	Indels 6;	Caps 5

QY	1888	aagagacatgtgtgacccagagcatctgcgtatctgtcgaagctacaggaagagatlttat	1947
Db	76	aagagacatgtgtgacccagagcatctgcgtatctgtcgaagctacaggaagagatlttat	135
QY	1948	ttcaaaaatgtgtgcattttgattctctcgtgaacaatggaagacaagaagctgactatgtgaa	2007
Db	136	ttcaaaaatgtgtgcattttgattctctcgtgaacaatggaagacaagaagctgactatgtgaa	195
QY	2008	ccaaacttgagactacaaaatgtctgtagtgtctgtgttc- ttagtctactcctccag	2066
Db	196	ccaaacttgagactacaaaatgtctgtagtgtctgtgttc tctactcctccag	255
QY	2067	taatgatatgaacccctacactatgagacagt- gggcaactgttgagaagaagg- tgaagaagt	2123
Db	256	taatgatatgaacccctacactatgagacagtgtggagacactgttgagaagaagggttgaaagagtc	315
QY	2124	ccacctcactctcgtatlttcatctgcaggaanaaaagtac- tgaatatggaaccaacaagt-	2181

Dd	316	ccacctccctccgatttcattcattgagaaaaaagttagcttgatataatgacccaagta	375
Qy	2182	agggcatttgcatactgattgg	2203
Dd	376	agggcatttgcatactgattgg	397

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Search completed: March 18, 2002, 21:15:49
Job time: 3701 sec
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2690 aggaagcaccctgggaaccaccctcgttccctaggtcccccctcccatgcagcaagagc 2745

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Db 139 aggagagcaacttgaggtaccacttc-ttccctlangtccctccctccat-cagcaagaagagc 196
Qy 2730 acttctctaagtcatagtccctcccgagaagctgctggagaaagtttaaaaaacaaaat 2809
Db 197 actctcttca-tcatgcccctcccgaaagctgtgctggaaagattt-aaaaacaacaaaat 254
Qy 2810 ccaagagcaaaagagccttagagtcacgttttgaatttgagacaactgctctggcaaa 2869
Db 255 ccaggaagtc-aagagccttag---tcagtttgaatttgagacaact-gtctggcaaa 308
Qy 2870 ggggtgccaaagcggagccttgctgtctcagagagtcacagcgctccagcctcgggggtgaag 2929
Db 309 ggggtgc---ganaaggagccttgctgtctcagagagtcacagccgcctccagcctcgggggtg-aa 364
Qy 2930 gtctctgaggtgtgcatacgaggggagcctcagcct 2961
Db 365 gtctctgaggtgtgcatacgaggggagcctcactt 396

RESULT 2
US-09-385-982-132
: Sequence 132, Application US/09385982
: Patent No. 6262334
: GENERAL INFORMATION:
: APPLICANT: ENDECE, WILSON O., ET AL.
: TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
: FILE REFERENCE: CCDNA-260XX
: CURRENT APPLICATION NUMBER: US/09/385,982
: EARLIER FILING DATE: 1999-08-30
: EARLIER APPLICATION NUMBER: 09/328,111
: EARLIER FILING DATE: 1999-06-08
: EARLIER APPLICATION NUMBER: 60/117,393
: EARLIER FILING DATE: 1999-01-27
: EARLIER APPLICATION NUMBER: 60/098,639
: EARLIER FILING DATE: 1998-08-31
: NUMBER OF SEQ ID NOS: 544
: SOFTWARE: PASTSEQ for Windows Version 3.0
: SEQ ID NO 132
: LENGTH: 593
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(593)
: OTHER INFORMATION: n = A,T,C or G
: US-09-385-982-132

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[illegible]

OY	2397	aaccccccttttlttgaaaacccagggcccaccagaagtgtgcaacttaqcttcacaacccaag	2456
Db	280	acctt-----gaacagcccaaagctt-gcaaccttagcctc-accacca	321
OY	2457	aagacttgaaagagagacatactcttccaagcttlttcagaagcgctgcgtcttgynaatccag	2516
Db	322	aagacttgaaa-gagacatatc-tctcagcttlttcagaagcgctgcgc-tgynaatccag	378
OY	2517	gaacgtttttagatctaattagaaggccgtgactataaatgctcatcatcttgsgttt	2576
Db	379	gaac-ttttctgacgttaattagaagccctgagactaaatgctcacat-----ngyggc	432
OY	2577	aactacagtttlttgaaacatgcacatgacaggaagcagcggygccagagagatfaaaaaaacatg	2636
Db	433	aactacagtttlttgaa-aagctagangcagaagggc-----aaaaataaaaacatg	486
OY	2637	cctgttagaaggaagagagcaagaactggtgtgg	2674
Db	487	ccgtgttgaaagaaanaaaccaagaacttgtgmgg	524

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RESULT 3
US-09-385-982-153
: Sequence 153, Application US/09385982
: Patent No. 6262334
: GENERAL INFORMATION:
: APPLICANT: ENDEGE, WILSON O., ET AL.
: TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
: TITLE OF INVENTION: PRODUCTS: II
: FILE REFERENCE: CCDNA-260XX
: CURRENT APPLICATION NUMBER: US/09/385,982
: CURRENT FILING DATE: 1999-08-30
: EARLIER APPLICATION NUMBER: 09/328,111
: EARLIER FILING DATE: 1999-06-08
: EARLIER APPLICATION NUMBER: 60/117,393
: EARLIER FILING DATE: 1999-01-27
: EARLIER APPLICATION NUMBER: 60/098,639
: EARLIER FILING DATE: 1998-08-31
: NUMBER OF SEQ ID NOS: 544
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 153
: LENGTH: 620
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(620)
: OTHER INFORMATION: n = A,T,C or G
US-09-385-982-153

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[illegible]

Db 228 locaatgga-gagattctgcaaccttg-----aacagccagagctt 270
Qy 2435 gcaaccagctcaaccacaagaagcagacatacttcttcagcttttaag 2494
Db 271 -gcaaccagctc-accacaagaagctgaaa-gagacatac-tctcagcttttcaag 326
Qy 2495 gagcgttgccttggaatccaggaacgttttgatgctaataagaagcctgacataaa 2554
Db 327 gagcggtgccc-tgggaatccaggaac-ttttgatgctaataagaagcctgactaaa 384
Qy 2555 taatgcatctatggtgtttaaactcagttttgaacatgctaggaagcagaggg 2614
Db 385 atgtccac-----tatgggtgtcactctacagtttttgaa-atgctaggaagcagaaaggg 439
Qy 2615 gccgaaggtataaaaacatgacctggtagaagaaggaaggaaggaactggtgg 2674
Db 440 cagagaag---taaaaacatgacctggtagaagaaggaaggaaggaactggtgg 494
Qy 2675 gagatcaatagagaagagcacttg 2702
Db 495 gagatcaatagagaagagccttg 522

RESULT 4

US-09-385-982-124
: Sequence 124, Application US/09385982
: Patent No. 6262334
: GENERAL INFORMATION:
: APPLICANT: ENDEGE, WILSON O., ET AL.
: TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
: FILE OF INVENTION: PRODUCTS: II
: FILE REFERENCE: CCDNA-260XX
: CURRENT APPLICATION NUMBER: US/09/385,982
: EARLIER FILING DATE: 1999-08-30
: EARLIER APPLICATION NUMBER: 09/328,111
: EARLIER FILING DATE: 1999-06-08
: EARLIER APPLICATION NUMBER: 60/117,393
: EARLIER FILING DATE: 1999-01-27
: EARLIER APPLICATION NUMBER: 60/098,639
: EARLIER FILING DATE: 1998-08-31
: NUMBER OF SEQ ID NOS: 544
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 124
: LENGTH: 570
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: (1)...(570)
: OTHER INFORMATION: n = A,T,C or G
US-09-385-982-124

Query Match 3.4%; Score 109.4; DB 4; Length 570;
Best Local Similarity 65.5%; Pred. No. 3e-22;
Matches 377; Conservative 0; Mismatches 157; Indels 42; Gaps 15;

Qy 2097 actgagaaatgcttaggggtgttcttaattcttccctgttagggcaaacagacc 2156
Db 1 actgagaaatggtta-gggtgttcttcttaattctt-cctgttagggcaaacagacc 58
Qy 2157 ccattccaatctagagaagcctcccaagcatctgtcttgcctccctgggccaacat 2216
Db 59 cattccc--aatctagagaagaaag-ctcccagcatctgtctccttgagc-----aaact 111
Qy 2217 gctcttgatgtaagttagaactaccctccctggagcagacataccgcatcaactgtggag 2276
Db 112 tgccttgatgtaag-tgacctaatccctggagacata---cgcatcaactgtggag 167
Qy 2277 gtccgaggggagatagaagagataccacacatcttcataggtgcacaaactaacctc 2336
Db 168 gtccgagggg--atgagaagagataccacacacatcttcaaggtgcacaaactaacctc- 224

Qy 2337 cgtgacaagctcagaatagggagcaccctgtctctatccctccaatgagagattctggcc 2396
Db 225 --tgacaagctcagaataggg--acactgtctctatccctccaatgga-gagattctgna 279
Qy 2397 aaaccccccctttttgaaaccagggcccccagagcttggcaactagcctaaccaga 2456
Db 280 acc-----tttgaacagccagagcttgcacantagcctt--accocaa 321
Qy 2457 aagactggaagaagacatacttcttcgc-ttttcaggaagcgtgcttgggaatcca 2515
Db 322 angactggaagaagacatacttcttcgc-ttttcaggaagcgttgccttgggaatcca 381
Qy 2516 ggaagcttttgcataataggaagccttgacataataatgtccatctatgggtt 2575
Db 382 aggaacttttgatgcttaattanaangcttggacttaaaaatgtccnctngngtgg 441
Qy 2576 taatctac--agttttgacatgtctaggaagcagaacgggcccagagatlaaaaaa 2633
Db 442 cactttacangtttttggaangcttngagagcaganggggtcnaaanantnaaaan 501
Qy 2634 tgacctgttagaagaagagagcagaaggaacttg 2669
Db 502 ntgaactgttaalaannggaatantlangcnaatgg 537

RESULT 5

US-09-272-032-6
: Sequence 6, Application US/09272032A
: Patent No. 6296852
: GENERAL INFORMATION:
: APPLICANT: Johnson, Michael A.
: APPLICANT: McCoy, Richard J.
: APPLICANT: Pridoux, Christopher T.
: TITLE OF INVENTION: Recombinant Avian Adenovirus Vector
: FILE REFERENCE: 48-95a
: CURRENT APPLICATION NUMBER: US/09/272,032A
: EARLIER FILING DATE: 1999-03-18
: EARLIER APPLICATION NUMBER: US 08/448,617
: EARLIER FILING DATE: 1995-09-08
: EARLIER APPLICATION NUMBER: PCT/AU94/000189
: EARLIER FILING DATE: 1994-04-14
: EARLIER APPLICATION NUMBER: AU PL 8297
: EARLIER FILING DATE: 1993-04-14
: NUMBER OF SEQ ID NOS: 8
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 6
: LENGTH: 8442
: TYPE: DNA
: ORGANISM: fowl adenovirus
US-09-272-032-6

Query Match 1.7%; Score 55; DB 4; Length 8442;
Best Local Similarity 55.5%; Pred. No. 1.2e-05;
Matches 106; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

Qy 336 aaactaatgtccctggaactctgacacacagacaataacacacttcttcccaagct 395
Db 6774 aaaccacactaccac 6833
Qy 396 actccacgtcccccac 455
Db 6834 actactccac 6893
Qy 456 cccccaataataglacacatagttccctccacaactctctacactctgctgagagct 515
Db 6894 actccac 6953
Qy 516 gagtaacacac 526
Db 6954 cccactacacac 6964

```
RESULT 6
US-08-700-651-1
; Sequence 1, Application US/08700651B
; Patent No. 6015882
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: LEECH, JAMES
; APPLICANT: NELSON, RICHARD, C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: VACCINES, ANTIBODIES, PROTEINS, GLYCOPROTEINS, DNAs AND RNAs
; TITLE OF INVENTION: FOR PROPHYLAXIS AND TREATMENT OF Cryptosporidium parvum
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-4(HV)
; CURRENT APPLICATION NUMBER: US/08/700,651B
; CURRENT FILING DATE: 1997-08-14
; EARLIER APPLICATION NUMBER: 08/415,751
; EARLIER FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 1
; LENGTH: 5163.
; TYPE: DNA
; ORGANISM: Cryptosporidium parvum
US-08-700-651-1
```

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Query Match 1.7%; Score 53; DB 3; Length 5163;
Best Local Similarity 53.4%; Pred. No. 3.5e-05;
Matches 133; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY 280 aaaaacacagaacgagcagtagtggctctacagtagtcgagcgatccactgaac 339
    ||||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 580 aaaaacacagaacgagcagtagtggctctacagtagtcgagcgatccactgaac 639
    ||||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 340 taattggccctgaacagtcgtagcaccagcaatatacctcttcccaagctactt 399
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 640 -aacactactaactactactactactactactactactactactactactactact 698
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 400 caccctgctcccccataatagtagacatagttctcccaatctcctacacgtctccc 459
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 699 caacacacacacacacacacacacacacacacacacacacacacacacacacac 758
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 460 ccataatagtagacatagttctcccaatctcctactactactactactactact 519
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 759 ctactactactactactactactactactactactactactactactactactact 818
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 520 caaccacaa 528
    ||||| |||||
DB 819 ctacaacca 827
```

```
RESULT 7
US-08-928-361B-4
; Sequence 4, Application US/08928361B
; Patent No. 6071518
; GENERAL INFORMATION:
; APPLICANT: Petersen, Carolyn
; TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
; TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
; TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: SPECIES INFECTIONS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIRSA
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

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; SOFTWARE: Patentln Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/928,361B
; FILING DATE: 12-SEP-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/026,062
; FILING DATE: 13-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verny, Hana
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: 480.76-1(HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-1677
; TELEFAX: 650-324-1678
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5163 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-928-361B-4
```

```
Query Match 1.7%; Score 53; DB 3; Length 5163;
Best Local Similarity 53.4%; Pred. No. 3.5e-05;
Matches 133; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY 280 aaaaacacagaacgagcagtagtggctctacagtagtcgagcgatccactgaac 339
    ||||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 579 AACAAACACAACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 638
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 340 taattggccctgaacagtcgtagcaccagcaatatacctcttcccaagctactt 399
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 639 -AACAACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 697
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 400 caccctgctcccccataatagtagacatagttctcccaatctcctacacgtctccc 459
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 698 CAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAA 757
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 460 ccataatagtagacatagttctcccaatctcctactactactactactactact 519
    || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 758 CTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACTACT 817
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 520 caaccacaa 528
    ||||| |||||
DB 818 CTACAACCA 826
```

```
RESULT 8
US-08-700-651-2
; Sequence 2, Application US/08700651B
; Patent No. 6015882
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: LEECH, JAMES
; APPLICANT: NELSON, RICHARD, C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: VACCINES, ANTIBODIES, PROTEINS, GLYCOPROTEINS, DNAs AND RNAs
; TITLE OF INVENTION: FOR PROPHYLAXIS AND TREATMENT OF Cryptosporidium parvum
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-4(HV)
; CURRENT APPLICATION NUMBER: US/08/700,651B
; CURRENT FILING DATE: 1997-08-14
; EARLIER APPLICATION NUMBER: 08/415,751
; EARLIER FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 2
; LENGTH: 5318
; TYPE: DNA
; ORGANISM: Cryptosporidium parvum
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CLONE: PTZgpt-F1S
US-08-232-463-14

Query Match	1.6%	Score 51.4	DB 1	Length 7218
Best Local Similarity	4.1%	Pred. No. 0.00013		
Matches	16	Conservative	219	Mismatches 160; Indels 0; Gaps 0;

Oy	2591	gaacatcctctgagcgaaacgggcgcacaagataaaaaaatgacctgtgagaaggaa	2650
Db	1430	RR	13711
Oy	2651	gagagcgcaagaactgggtcgggagagatacaattgaagaagagcacctggatccacc	2710
Db	1370	RR	131111
Oy	2711	tctgttccttaagtccccctcccatacgacaagaagacattctctaagtcacccctc	2770
Db	1310	RR	1251
Oy	2771	csgaagcctgctcgggagaaagtttaaaaacaaaalccggagtgtaaagacttag	2830
Db	1250	RR	1191
Oy	2831	gtcagttttaaattvgaaacaacttgtcttgcgaagaggctgccaagcgagagctg	2890
Db	1190	RR	1131
Oy	2891	tgtctcgaagatcccaacgcllccagctcctggggtgtaagtlctctgaagtgatcatgg	2950
Db	1130	RR	1071
Oy	2951	ggcctcagctctctctgtgvtacccgagctcaagct	2995
Db	1070	RRRRATGCAAGCTCCCTGCACCTGCAGCACAAGT	1036

RESULT 11
 US-08-928-361B-2
 : Sequence 2, Application US/08928361B
 : Patent No. 6071518
 : GENERAL INFORMATION:
 : APPLICANT: Petersen, Carolyn
 : TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
 : TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
 : TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
 : TITLE OF INVENTION: SPECIES INFECTIONS
 : NUMBER OF SEQUENCES: 30
 : CORRESPONDENCE ADDRESSES:
 : ADDRESSEE: PETERS, VERNY, JONES & BIKSA
 : STREET: 385 Sherman Avenue, Suite 6
 : CITY: Palo Alto
 : STATE: CA
 : COUNTRY: USA
 : ZIP: 94306-1840
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patentin Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/928,361B
 : FILING DATE: 12-SEP-1997
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 60/026,062
 : FILING DATE: 13-SEP-1996
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Verny, Hana
 : REGISTRATION NUMBER: 30,518
 : REFERENCE/DOCKET NUMBER: 480.76-1(HV)
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 650-324-1677

```

? TELEFAX: 650-324-1678
? INFORMATION FOR SEQ ID NO: 2:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 5511 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
?
US-08-928-361B-2

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Query Match	1.6%	Score 50.4	DB 3	length 5511
Best Local Similarity	51.9%	Pred. No. 0.00021		
Matches 138	Conservative 0	Mismatches 126	Indels 2	Gaps 1

[illegible]

RESULT 12
 US-08-928-361B-1
 Sequence 1, Application US/08928361B
 Patent No. 6071518
 GENERAL INFORMATION:
 APPLICANT: Petersen, Carolyn
 TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
 TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
 TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
 SPECIES INFECTIONS
 NUMBER OF INVENTION: 30
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: PETERS, VERNY, JONES & BIKSA
 STREET: 385 Sherman Avenue, Suite 6
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306-1840
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/928,361B
 FILING DATE: 12-SEP-1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/026,062
 FILING DATE: 13-SEP-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Verry, Hana
 REGISTRATION NUMBER: 30,518
 REFERENCE/DOCKET NUMBER: 480.76-1(HV)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-324-1677
 TELEFAX: 650-324-1678

